

Faculty

Cardiac Physiology

Michael V. Cohen, MD
Professor
 Collateral Vessels, Ischemic Preconditioning

James M. Downey, Ph.D.
Professor Emeritus
 Ischemic Preconditioning

Cell Biology

Mikhail Alexeyev, Ph.D.
Associate Professor
 Mitochondrial DNA Maintenance, Damage, Repair, Degradation and Mutagenesis

Stephen Ballard, Ph.D.
Professor
 Airway Epithelial Transport, Cystic Fibrosis

Pulmonary Physiology

James C. Parker
Professor Emeritus
 Pulmonary Physiology, Mechanical Injury to the Lung

Sarah Sayner, Ph.D.
Assistant Professor
 Pulmonary Endothelial Barrier

Mary Townsely, Ph.D. – Professor
Associate Dean Faculty Affairs
 Pulmonary Transcapillary Exchange, Acute Lung Injury

Muscle Physiology

Thomas Lincoln, Ph.D.
Professor
 Cyclic GMP, Signal Transduction in Smooth Muscle

David Weber, Ph.D.
Associate Professor
 Vascular Smooth Muscle Physiology

Neuroscience

Xiangming Zha, Ph.D.
Assistant Professor
 pH and Neuron Function

Vascular Physiology

Mike T. Lin, Ph.D.
Assistant Professor
 Vascular Biology, Neuroscience

Troy Steven, Ph.D.
Professor, Chair
 Endothelial Cell Heterogeneity

Mark S. Taylor, Ph.D.
Associate Professor
 Vascular Biology, Vascular Cell Imaging

Mitochondrial Function

Ischemia

Lung Injury

Imaging

Collaborations/Resources
 Internal & External

UCUR

Biomedical Sciences Graduate Training Program

Center for Lung Biology

Equipment/ Instrumentation:
 Imaging Facility